

FIG. 1

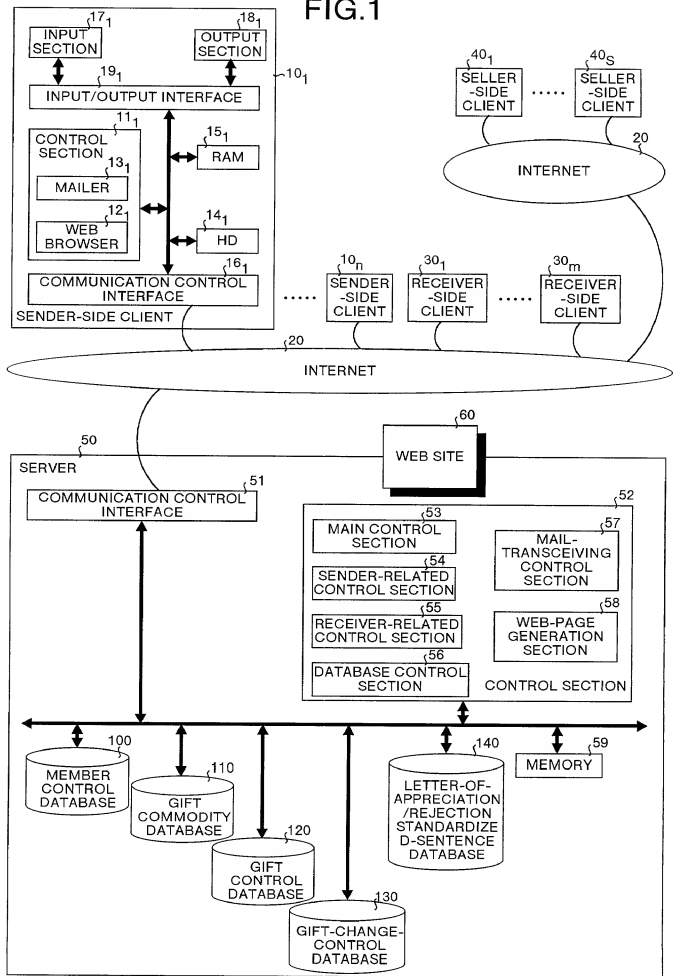


FIG.2A

100 MEMBER CONTROL DATABASE

MEMBER ID	PASSWORD	NAME	ADDRESS	MAIL ADDRESS	CARD NUMBER	BEST-GIFT OPENING FLAG	WORST-GIFT OPENING FLAG
001	*****	TARO AKASAKA	2-3 AKASAKA 1-CHOME, CHITODA-KU	taro@xxx.com	12345	YES	YES
002	*****	HANAKO OSAKA	5-6, 4-CHOME, MINATO-KU, OSAKA	—	24680	YES	NO
003	*****	KAZUO MATSUMOTO	8-9, IRIYAMABE 7-CHOME, MATSUMOTO-SHI	kazu@zzz.co.jp	98765	NO	ONLY 001, 002, 007
004	*****	JIRO HAKATA	4-6, 2-CHOME, HAKATA-KU, FUKUOKA-SHI	—	13579	—	—

FIG.2B

110 GIFT COMMODITY DATABASE

COMMODITY ID	SPECIFICATION	THUMBNAIL FILE	PRICE
A-STORE DRINK ASSORTMENT	CHEMICAL-FREE ORANGE...	A1.gif	¥3,000
B-STORE TABLEWARE SET	MADE IN FRANCE...	B1.gif	¥5,500
A-STORE BEST LAVER	TEN-LAVER SET...	A2.gif	¥8,000
C-STORE FINE-NOODLE-BUNDLE SET	FIVE-BUNDLE SET	C1.gif	¥1,500

FIG.2C

120 GIFT CONTROL DATABASE

GIFT ID	RECEIVER ID	SENDER ID	KIND OF COMMODITY	COMMODITY ID	NUMBER OF COMMODITIES	SCHEDULED DELIVERY DATE	LETTER-OF-APPRECIATION/ REJECTION ID	REJECTION FLAG
2000115	001	002	SUMMER GIFT	A-STORE DRINK ASSORTMENT	1	2000/7/15	C-01	
2000116	003	002	SUMMER GIFT	B-STORE TABLEWARE SET	1	—		
2000117	001	003	PRESENT	A-STORE BEST LAVER	1	2000/7/17		
2000119	001	004	SUMMER GIFT	C-STORE FINE-NOODLE-BUNDLE SET	1	2000/7/14	X-01	○

FIG.3A

130 ; GIFT-CHANGE CONTROL DATABASE

CHANGE ID	GIFT ID	RECEIVER ID	ORIGINAL COMMODITY ID	NEW COMMODITY ID	CHANGE DATE
H01	1999288	001	A-STORE BEER ASSORTMENT	A-STORE DRINK ASSORTMENT	1999/7/20
H02	1999363	002	C-STORE FOUNTAIN PEN	C-STORE SCARF	1999/12/5
H03	2000044	001	A-STORE BEST LAVER	A-STORE WINE SET	2000/7/5

FIG.3B

140 ; LETTER-OF-APPRECIATION/REJECTION STANDARDIZED-SENTENCE DATABASE

KIND OF GIFT	LETTER-OF-APPRECIATION/ REJECTION ID	STANDARDIZED-SENTENCE DATA
SUMMER GIFT	C-01	TANK YOU VERY MUCH FOR YOUR EXCELLENT GIFT...
SUMMER GIFT	C-02	THANK YOU VERY MUCH FOR YOUR CONSIDERATION....
YEAR-END GIFT	S-01	THANK YOU VERY MUCH FOR YOUR EXCELLENT GIFT...
NEW YEAR'S GREETINGS	N-01	THANK YOU VERY MUCH FOR YOUR EXCELLENT NEW YEAR'S GIFT...
CONGRATULATORY PRESENT	I-01	THANK YOU VERY MUCH FOR YOUR UNEXPECTED PRESENT...
RETURN	X-01	THOUGH I RECEIVED AN EXCELLENT GIFT,...
RETURN	X-02	BECAUSE I CANNOT RECEIVE THIS COMMODITY,...

FIG.4

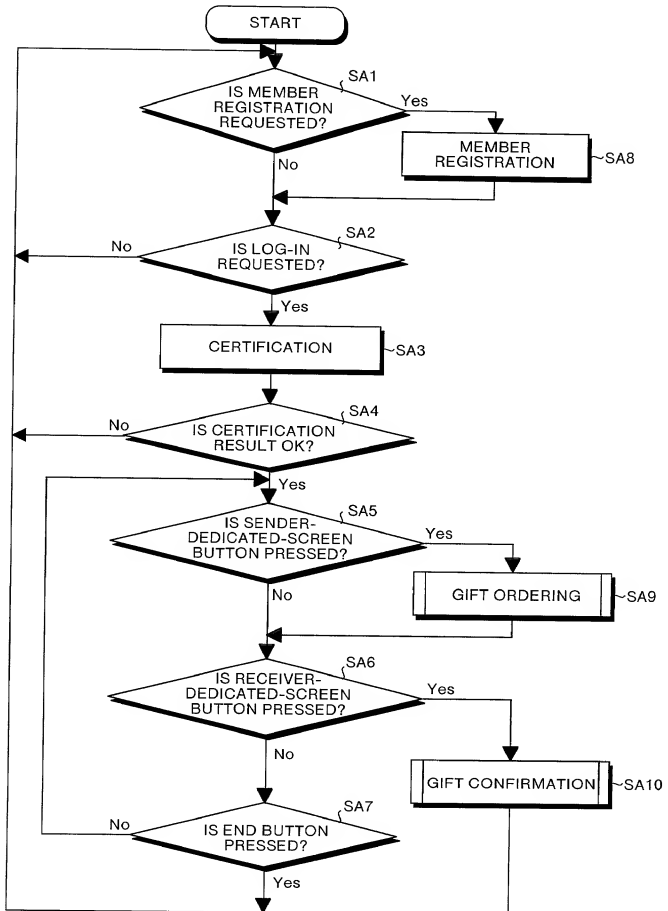


FIG. 5

```
graph TD
    Start([START]) --> SB1{IS THERE DESIGNATION BY RECEIVER?}
    SB1 -- No --> SB13{IS DETAIL BUTTON PRESSED?}
    SB1 -- Yes --> SB2[RETRIEVE MEMBER ID OF RECEIVER OUT OF MEMBER CONTROL DATABASE]
    SB2 --> SB3{IS OPENING FLAG SET TO YES?}
    SB3 -- No --> SB13
    SB3 -- Yes --> SB4[RETRIEVE RECEIVER ID OF RECEIVER OUT TO GIFT-CHANGE CONTROL DATABASE]
    SB4 --> SB5[DISPLAY SELECTION SCREEN]
    SB5 --> SB6{IS GENERAL-GIFT-CONSULTING BUTTON PRESSED?}
    SB6 -- Yes --> SB13
    SB6 -- No --> SB7{IS BEST/WORST-GIFT-LIST-CONSULTING BUTTON PRESSED?}
    SB7 -- No --> SB13
    SB7 -- Yes --> SB8[DISPLAY BEST/WORST-GIFT LIST]
    SB8 --> SB9{IS BEST-GIFT SELECTION BUTTON PRESSED?}
    SB9 -- Yes --> SB17[BEST GIFT RETRIEVAL]
    SB9 -- No --> SB10{IS GENERAL-GIFT SELECTION BUTTON PRESSED?}
    SB10 -- No --> SB13
    SB10 -- Yes --> SB11[GENERAL GIFT RETRIEVAL]
    SB17 --> SB18[DISPLAY BEST GIFT LIST]
    SB11 --> SB12[DISPLAY GENERAL GIFT LIST]
    SB12 --> SB13
    SB13 -- Yes --> SB14[DISPLAY DETAIL SCREEN]
    SB13 -- No --> SB15{IS GIFT SELECTION BUTTON PRESSED?}
    SB14 --> SB15
    SB15 -- Yes --> SB16[GIFT-ORDER-INFORMATION INPUT]
    SB15 -- No --> SB14
    SB16 --> End([RETURN])
```

The flowchart illustrates the gift selection process. It begins with a decision diamond (SB1) asking "IS THERE DESIGNATION BY RECEIVER?". If "No", it proceeds to decision diamond (SB13) "IS DETAIL BUTTON PRESSED?". If "Yes", it proceeds to process block (SB2) "RETRIEVE MEMBER ID OF RECEIVER OUT OF MEMBER CONTROL DATABASE", then to decision diamond (SB3) "IS OPENING FLAG SET TO YES?". If "No", it proceeds to SB13. If "Yes", it proceeds to process block (SB4) "RETRIEVE RECEIVER ID OF RECEIVER OUT TO GIFT-CHANGE CONTROL DATABASE", then to process block (SB5) "DISPLAY SELECTION SCREEN". From SB5, it goes to decision diamond (SB6) "IS GENERAL-GIFT-CONSULTING BUTTON PRESSED?". If "Yes", it proceeds to SB13. If "No", it goes to decision diamond (SB7) "IS BEST/WORST-GIFT-LIST-CONSULTING BUTTON PRESSED?". If "No", it proceeds to SB13. If "Yes", it proceeds to process block (SB8) "DISPLAY BEST/WORST-GIFT LIST", then to decision diamond (SB9) "IS BEST-GIFT SELECTION BUTTON PRESSED?". If "Yes", it proceeds to process block (SB17) "BEST GIFT RETRIEVAL", then to process block (SB18) "DISPLAY BEST GIFT LIST", which then joins the path to SB13. If "No", it proceeds to decision diamond (SB10) "IS GENERAL-GIFT SELECTION BUTTON PRESSED?". If "No", it proceeds to SB13. If "Yes", it proceeds to process block (SB11) "GENERAL GIFT RETRIEVAL", then to process block (SB12) "DISPLAY GENERAL GIFT LIST", which then joins the path to SB13. From SB13, if "Yes", it proceeds to process block (SB14) "DISPLAY DETAIL SCREEN". If "No", it proceeds to decision diamond (SB15) "IS GIFT SELECTION BUTTON PRESSED?". From SB14, it also proceeds to SB15. If SB15 is "Yes", it proceeds to process block (SB16) "GIFT-ORDER-INFORMATION INPUT", then to the final "RETURN" block. If "No", it loops back to SB14.

FIG.6

6/26

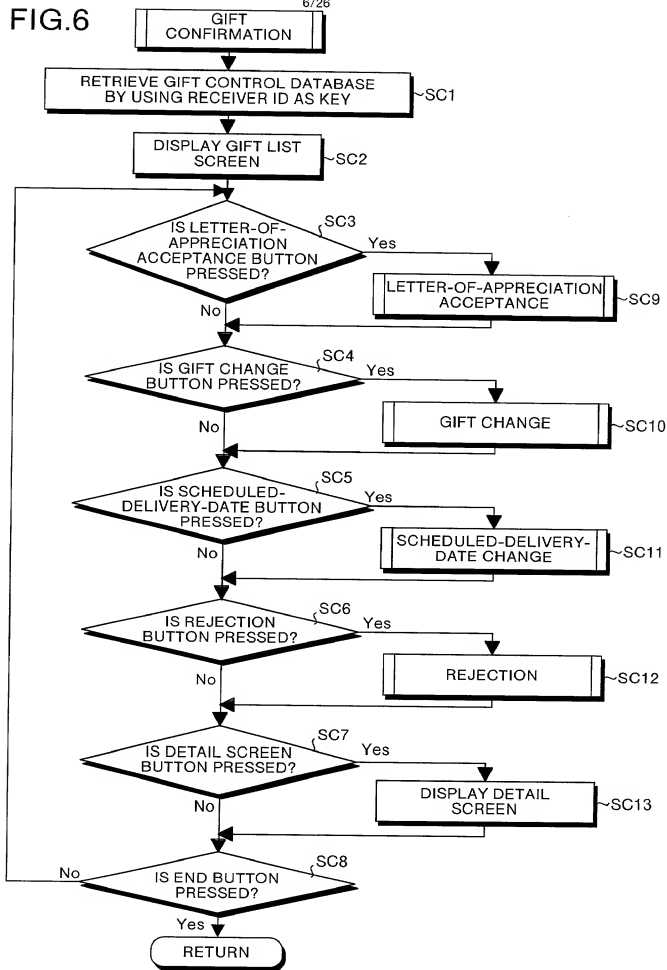


FIG.7

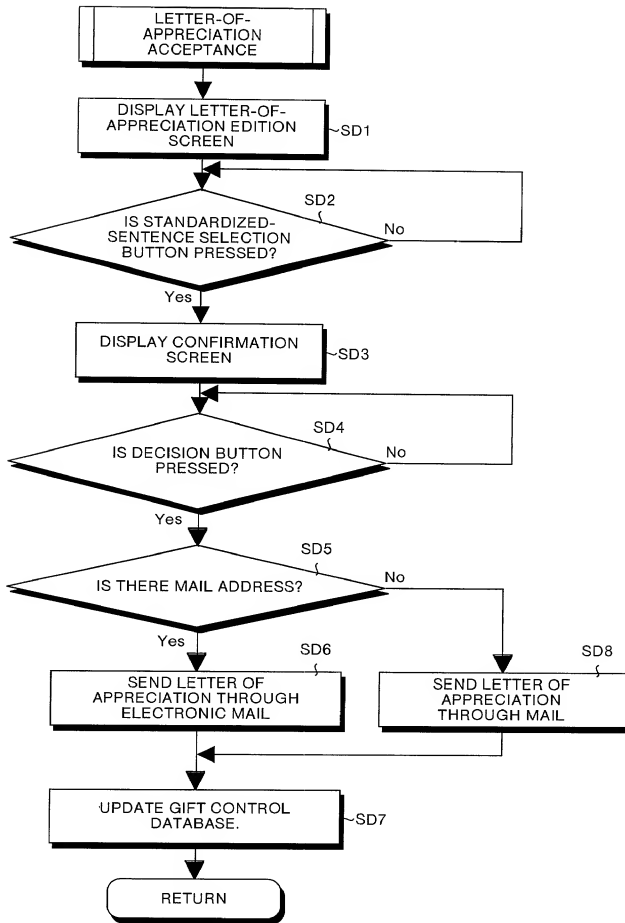


FIG.8

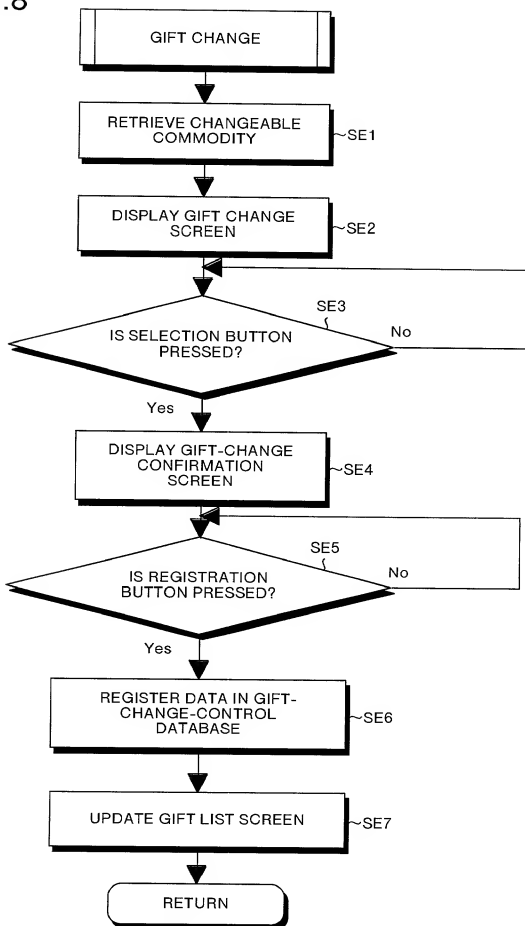


FIG.9

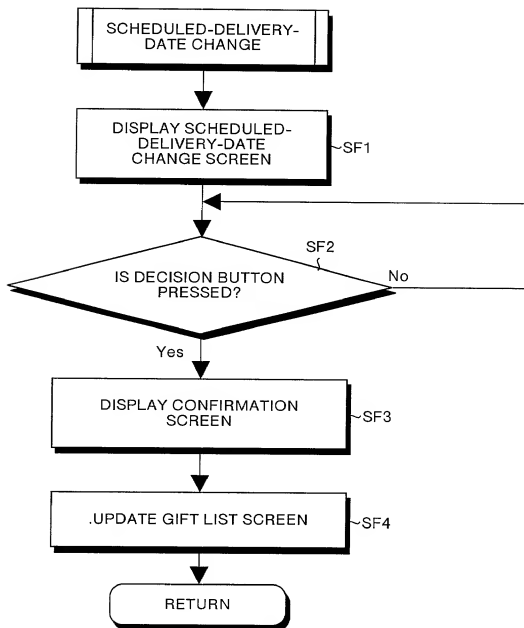


FIG.11

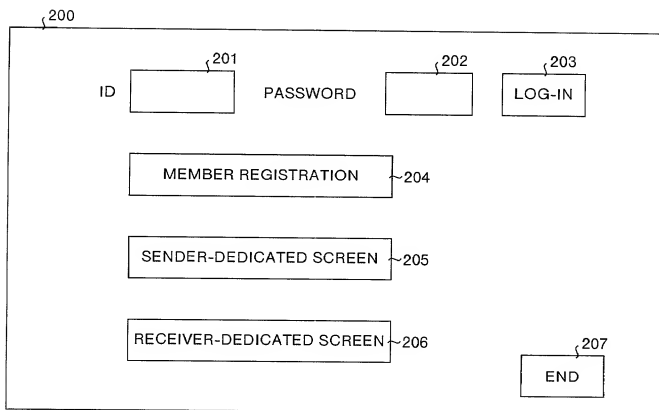


FIG.12

210

NAME

ADDRESS

MAIL ADDRESS

CARD NUMBER

211

SHALL THE BEST GIFT
BE DISCLOSED? ☒ YES ☐ NO ☐ ONLY SPECIFIC
MEMBER

ID OF THE SPECIFIC MEMBER

212

SHALL THE WORST GIFT
BE DISCLOSED? ☒ YES ☐ NO ☐ ONLY SPECIFIC
MEMBER

ID OF THE SPECIFIC MEMBER

213

REGISTRATION

214

FIG.13

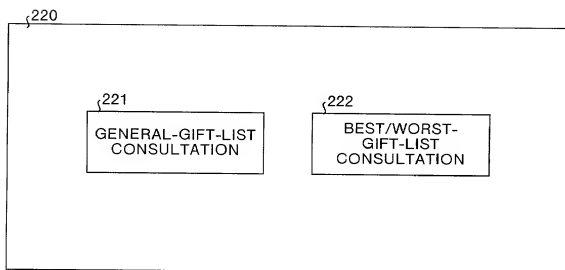


FIG.14

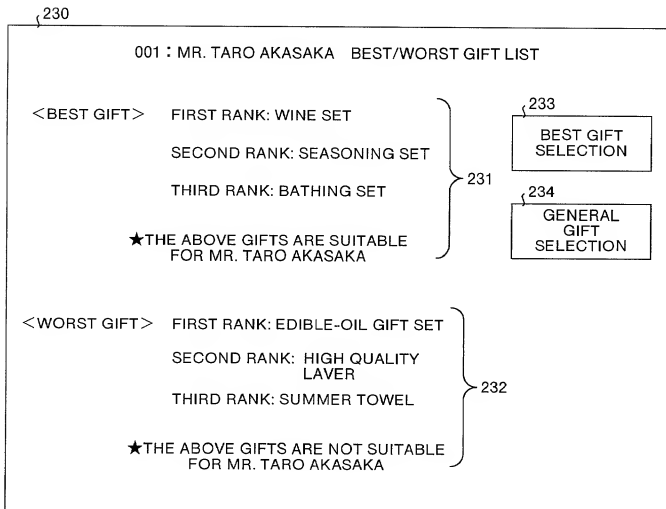


FIG.15

240

<GENERAL GIFT LIST>

<SELECTION>	<COMMODITY ID>	<PRICE>	
<input checked="" type="checkbox"/>	A-STORE DRINK ASSORTMENT	¥3,000	<input type="button" value="DETAILS"/> 241 ₁
<input type="checkbox"/>	B-STORE TABLEWARE SET	¥5,500	<input type="button" value="DETAILS"/> 241 ₂
<input type="checkbox"/>	A-STORE BEST LAVER	¥8,000	<input type="button" value="DETAILS"/>
<input type="checkbox"/>	C-STORE FINE-NOODLE SET	¥1,500	<input type="button" value="DETAILS"/>
	⋮		
	242 <input type="button" value="SELECTION"/>		

243

<A-STORE DRINK ASSORTMENT> DETAIL INFORMATION

THUMBNAIL
IMAGE

244
¥3,000

CHEMICAL-FREE 100%-ORANGE JUICE	FIVE 500-ML BOTTLES	}	245
CHEMICAL-FREE 100%-APPLE JUICE	FIVE 500-ML BOTTLES		

246

FIG.16

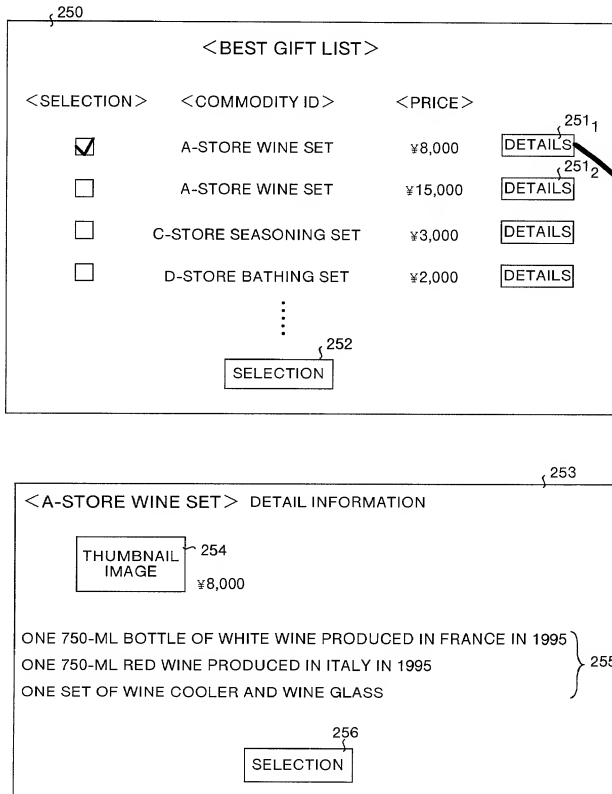


FIG. 17

260

001 : MR. TARO AKASAKA, LIST OF GIFTS TO BE DELIVERED

DETAIL ~267

COMMODITY ID :
A-STORE DRINK ASSORTMENT
264₁
SCHEDULED DELIVERY
DATE : 2000/07/15
265₁
REJECTION
261₁

COMMODITY ID :
A-STORE DRINK ASSORTMENT
264₁
SCHEDULED-
DELIVERY-DATE
CHANGE

KIND OF GIFT : SUMMER GIFT
263₁
GIFT
CHANGE

SENDER : MS. HANAKO
OSAKA
262₁
LETTER OF
APPRECIATION

COMMODITY ID :
A-STORE BEST LAVER
264₂
SCHEDULED DELIVERY
DATE : 2000/07/17
265₂
REJECTION
261₂

COMMODITY ID :
A-STORE BEST LAVER
264₂
SCHEDULED-
DELIVERY-DATE
CHANGE

KIND OF GIFT : CONGRATULATORY PRESENT
263₂
GIFT
CHANGE

SENDER : MR. KAZUO
MATSUMOTO
262₂
LETTER OF
APPRECIATION

COMMODITY ID :
C-STORE FINE-NOODLE SET
264₃
SCHEDULED DELIVERY
DATE : 2000/07/14
265₃
REJECTION
261₃

COMMODITY ID :
C-STORE FINE-NOODLE SET
264₃
SCHEDULED-
DELIVERY-DATE
CHANGE

KIND OF GIFT : SUMMER GIFT
263₃
GIFT
CHANGE

SENDER : MR. JIRO
HAKATA
262₃
LETTER OF
APPRECIATION

END ~266

FIG.18

270

LETTER OF APPRECIATION TO MS. HANAKO OSAKA
(SUMMER GIFT)

☒ TYPE 1: THANK YOU VERY MUCH FOR YOUR GIFT...
☐ TYPE 2: THANK YOU VERY MUCH FOR YOUR
CONSIDERATION... } 271

272

SELECTION

FIG.19

280

LETTER OF APPRECIATION TO MS. HANAKO OSAKA
(SUMMER GIFT: TYPE 1)

★THIS LETTER OF APPRECIATION WILL BE DELIVERED THROUGH A MAIL

THANK YOU VERY MUCH FOR YOUR EXCELLENT GIFT.,
WE HAVE NOT SEEN FOR A LONG TIME. HOW HAVE
YOU BEEN?, WE ARE FINE THANK YOU. PLEASE TAKE
CARE OF YOURSELF.,

281

DECISION

FIG.20

290

A-STORE DRINK ASSORTMENT" SENT FROM MS. HANAKO OSAKA

SCHEDULED DELIVERY DATE, 2000/07/15

☒ SCHEDULED DELIVERY DATE IS CHANGED TO
THE FOLLOWING DATE

CHANGED SCHEDULED DELIVERY DATE : 2000/09/30 291

☐ SCHEDULED DELIVERY DATE IS NOT DESIGNATED

292

DECISION

FIG.22

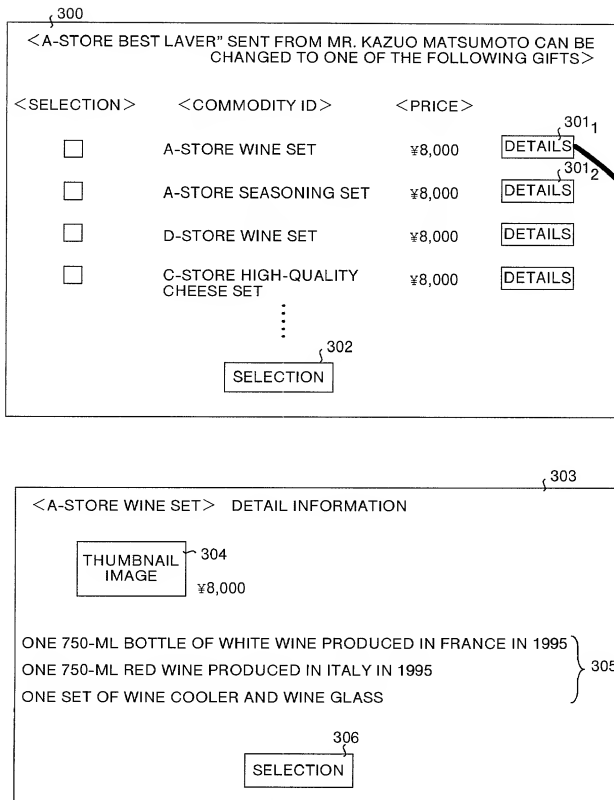


FIG.23

260B

001 : MR. TARO AKASAKA, LIST OF GIFTS TO BE DELIVERED

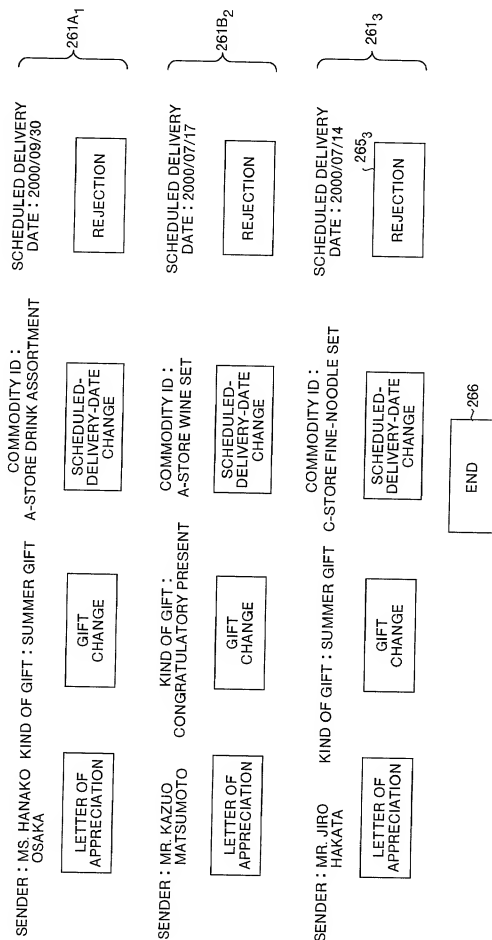


FIG.24

310

LETTER OF REJECTION TO MR. JIRO HAKATA (RETURN)

☐ TYPE 1: THOUGH I RECEIVED AN EXCELLENT GIFT...
 ☒ TYPE 2: BECAUSE I CANNOT ACCEPT THIS GIFT...
 } 311

RETURN
 312

FIG.25

320

LETTER OF REJECTION TO MR. JIRO HAKATA (RETURN: TYPE 1)

★THIS LETTER OF REJECTION WILL BE DELIVERED BY A MAIL

BECAUSE I CANNOT ACCEPT THIS GIFT...

DECISION
 321

FIG.26

260C

001 : MR. TARO AKASAKA, LIST OF GIFTS TO BE DELIVERED

DETAIL ~267

SENDER : MS. HANAKO OSAKA
KIND OF GIFT : SUMMER GIFT
COMMODITY ID : A-STORE DRINK ASSORTMENT

LETTER OF APPRECIATION

GIFT CHANGE

SCHEDULED-DELIVERY-DATE CHANGE

SCHEDULED DELIVERY DATE : 2000/09/30

REJECTION

261A₁

SENDER : MR. KAZUO MATSUMOTO
KIND OF GIFT : CONGRATULATORY PRESENT
COMMODITY ID : A-STORE WINE SET

LETTER OF APPRECIATION

GIFT CHANGE

SCHEDULED-DELIVERY-DATE CHANGE

SCHEDULED DELIVERY DATE : 2000/07/17

REJECTION

261B₂

END ~266

FIG.27

330

001 : MR. TARO AKASAKA, DETAIL OF GIFTS TO BE DELIVERED (FOR JULY, 2000)

1	<p>SENDER : MS. HANAKO OSAKA</p> <p>KIND OF GIFT : SUMMER GIFT</p> <p>COMMODITY ID : A-STORE DRINK ASSORTMENT</p> <p>SCHEDULED DELIVERY DATE : 2000/07/15</p> <p>→SENDING OF LETTER OF APPRECIATION (SUMMER GIFT: TYPE 1) →SCHEDULED DELIVERY DATE : TO BE CHANGED TO 2000/9/30</p>
2	<p>SENDER : MR. KAZUO MATSUMOTO</p> <p>KIND OF GIFT : CONGRATULATORY PRESENT</p> <p>COMMODITY ID : A-STORE BEST LAYER</p> <p>SCHEDULED DELIVERY DATE : 2000/07/17</p> <p>→TO BE CHANGED TO A-STORE WIND SET</p>
3	<p>SENDER : MR. JIRO HAKATA</p> <p>KIND OF GIFT : SUMMER GIFT</p> <p>COMMODITY ID : C-STORE FINE-NOODLE SET</p> <p>SCHEDULED DELIVERY DATE : 2000/07/14</p> <p>→REJECTION →SENDING OF LETTER OF REJECTION (RETURN: TYPE 1)</p>

FIG.28

